

X. *Observations upon the Variation of the Needle made in the Baltick, Anno 1720. By Mr. William Sanderfon. Communicated by Capt. Soame.*

Wednesday, June the First 1720, being at Anchor near *Revell*, in the Latitude of $58^{\circ} 58'$ North, the Magnetical Amplitude at Sun-Set was
 $\text{West} \text{ --- } 64^{\circ} \quad 30' \text{ North.}$

And the True was $\text{West} \text{ --- } 49 \quad 37 \text{ North.}$

Variation North $\text{ --- } 14 \quad 53 \text{ West.}$

Saturday, July 23, at the Isle *Gottland*, in the Latitude of $58^{\circ} 21'$ North, at Sun Set, the Magnetical Amplitude was $\text{West} \text{ --- } 49^{\circ} \quad 50' \text{ North}$, and the True Amplitude, $\text{West} \text{ --- } 35 \quad 00 \text{ North}$, which gives the Variation North $14 \quad 50 \text{ West.}$

The Difference of Longitudes of the two foresaid Places by *Dead Reck.* is $1^{\circ} 50'$.

October the 24th at *Bornholme*, in the Latitude of $56^{\circ} 00'$, at Sun Rising, the Magnetical Amplitude was

$\text{East} \quad 43^{\circ} \quad 15' \text{ South}$, and the True was

$\text{East} \quad 28 \quad 31$ which gives the Variation

North $14 \quad 44 \text{ West.}$